

Memoranda

Notebook V

No. 1876
Wm. T. Kennedy Station Co.
112 N Fourth St.
St. Louis, Mo.

H. S. Ladd
4354 McPherson,
St. Louis, Mo.

1922

Mon. March 13, 22 -

Vernon

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NE corner

June 5-18, 1925

With T. G. & P. H. C.

See p. 213

Geology Note

Coll. C.P.T. 23 3/13/22

Trip to ^{cool} mine at Thermal,
Ill. Very well equipped mine owned
by Donk Bros. Coal Co. Took Ill.
Traction car at Edge Bridge & rode
almost due east past Indian Mounds.
(rise from flood plain of Miss. R. to
"late maturity" country to east is rather
abrupt.) Mine is very well equipped
due to large amount of money spent
on execu equipment during war
(to avoid paying it to govt in
excess profits tax). Buildings of
cement concrete. Electric mules,
lights, & whitewashed walls, &
dry floors (due to overlaying shale) did
away with all former idea
of coal miner.

Coal seam is 5 ft. or more in
thickness. It is mined by mechanical
undermining followed by blasting.

Loose coal is loaded on car, hauled by electric locomotives to foot of shaft where car & coal are hoisted ~~up~~^{up} to top of shaft & turned (literally) upside down into breaker.

The coal (bituminous) is full of small faults. ~~Some~~ of the resulting polished slickensides are mineralized by deposition of pyrite. Pyrite and white organic matter are plentiful. Coal is overlain by alternating beds of shale and limestone ^{very}.

Method of mining is rather wasteful as about 50% of the coal is left or pillars to support the roof. A less wasteful but more costly way is to mine from the outside of the field toward a central shaft allowing it to cave in after all

coal is removed. Perhaps someday they will be compelled to do this by law.
— Three slickensides collected - 2 mineralized

June 10 Left Iowa City at
7 AM - to
Iowa City & back
to town - and
will generate
good sales (will be
true). Upper Iowa River
is up to the
level of a glass
and there is not
a single valley left
from which dynamite
or powder could
not be obtained
easily. Walked
15 miles. Truly
~~the best & best~~
of all woods.

June 10 Sectioned up tub. to Up. La
in A.M. & started up river
(+ killed shark). To Cedar
for mail & supplies. To
Fillmore Co., Minn. for
May-Gal contact (no
luck). Camped near (so)
Wycoff. Wrote A.P.L. &
L.S. - notes, etc & cards
& to bed.

the night before
the sun came up at 6 AM
and the sky was
overcast. I had
the sun up by
noon and it was
brighter than
I expected and
of course I took
myself off
to catch the mail
at the post office.

Should be home
about 7 or 8 PM
so could go to see
the Almond blossoms
but don't know
if they are open
yet. The weather
is very nice and
the wind has
been blowing
off shore all day
so I am sure
they are open.
I will go and see
them when I get
home.

Mo. 5 - Field Trip - 5/17/22

Flattie }
T. L. D. }
Jackson } Succession
~~H. C. H.~~ studied
7a

Field Trip ~ 5/17/22

Flattie }
T. L. D. }
Jackson } Succession
~~H. C. H.~~ studied

1st exposure - about 1 mi. S. of Funks, Mo.
~~bedrock~~ - yellowish brown,
fine-grained, hardness about three
- mud cracks present - vein
in top - white & green -
Shale - very soft, 5 ft. thick
- arenaceous specimen collected (full calcs)
- weathered, pink & yellow in places
due to exposure to water from vegetation
much worn - some brecciated
zones - also small iron oxide
crystals (magnetite?), no fossils
found, thin sand present. People
mark - oddities

Alder Hill N. of Ledyard

Very thick, highly sulfurous
(most galloperas), frequently brecciated,
sh. older (may have caused
brecciation), weathering in
long, cont. structure, blackish-white
limestone, some larger almost
lithographic, quartz crystals
present, also calcite, thickness vary
in thickness $13 - 2\frac{1}{2}$ ', shaly layer
(grayish green) half way down
hill about 8' thick, but may
be control of the Clinton and
be weathering facies (not
the exact control, however, the
shale being several feet above
control). Clinton lies conformably
on the Joachim, ripple marks
in Joachim.

St Peter Saverton see

~~Jeff. City report~~

Widow Walker 2 lbs
17 "Boulogne 1 lb
Columbo 1 lb
all run up to May 7

St. Paul Oct 2
Wrote to Mr. G.
about his book - he
wants a copy of the
Nov 10th issue of the
Newspaper of the
Society of Friends
to Mike today.

Pathology Notes

100
32
92
41
2.70

T.P. 10
1
100
20
10
11
21

newspaper

08

10

11

12

13

14

15

16

17

18

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28

29

30

31

Entomology Note

1922

VI

Ladd

874

870

210

274

Ladd

V

1922

Fri
Feb. 24.
Mon. March 12.
(incl.)

Regular work at University.
No high life except
initiation & banquet - some
liquor & a dance afterward.
Evening (March 10) with Milt
to see Way Down East & chaw
& eat at University Club.
Failed to get prospective
position at Shepley student
in S.E. Mo. or ^{Mr.} Buckbee (State
Geol.) is not sending him
there. May get 300 - 700
fellowship to Iowa State.
Aimed to speak at
departmental meeting
in next program! Darned
Alice home. Car still
in shop.

Mon. March 13, 1922

Cloudy in morn. To
Dark Bros Cool Mine at Thermal
Ill. - About 1 hour and 20 min. 41

ride from Eade Bridge. Went down 200 ft. (see. page 1). Home evening

Tues. Mch. 14, '22

U. till 5⁰⁰ P.M. - home in evening. Can't see Mr. Cabell for a while or he is going away.

Will call me.

Wed. Mch. 15, '22

- nothing of importance regular work.

Th. Mch. 16, '22

Folks home - regular work.

Fri. Mch. 17, '22

Tutoring some in evening.

Walked at home in morning.

- U. in afternoon.

Sat. Mch. 18, '22

U. all day - walked home as usual picked up at highway.

Work in evening - won again.

Sun. Mch. 19 - Tue Apr. 15 (incl.)

(not written up -
not much of importance.
- same old program.)

~~Had misunderstanding
with L. E. C.~~

walk with
to lecture by

Aug 21 morning - to lecture by
Dr. Hansen on "Early Ancestry
of Man" at Public Library with Bill.
Took Hansen & his wife home.
Dr & Mrs. Campbell (?) & Dr &
Mrs. Hill here in evening - x
Gordon as usual. - No word from
Irene or Iowa yet!

(Sat. Apr. 29 -
Ship. Koch. M.
J. B. & J. -
Witched out.)

had been elected to
membership in Sigma Xi
and that I had been
awarded \$700⁰⁰ Iowa
Grad. Assistantship on
same day!! Surely
did make me feel
good!)

took Harry, Sol, & Mary to Monroe Mountain
-good trip - met Moorhead, Crook, & Heyden (?)
There May 4, 1922.

~~among~~ of men.
Classed in cap & gown to Chapel. Sigma Xi announced.
Spoke before Theol. Conference at 4^o o'clock.
^{Invitation}
Sigma Xi Banquet in evening. Dr. Taylor said that with
a couple of more As I would have had Phi Beta Kappa.
He went over my grades 2 extra times (3.1 too low!) Damn! Probably
would not have made Sigma Xi had I
made Phi Beta Kappa.

-finished extreme heat tests on building stones
Sat. May 6, 1922

evening.
C. 22

Sun. May 7, 1922.
Worked all morning - riding with J.B. in
afternoon - walking with Glenn in evening

Mon. May 8, '22

Class - field trip to Meramec Highlands (see Geol. notes). To supper with Hazel & long ride afterwards.

Tues. May 9, 1922.

Regular class work - Rock (clay) tests in afternoon - finished moulding. Home in evening - studied some. Have new pupil (Miss Oatman at $\frac{1}{2}$ ¢ an hour)

Wed. May 10, 1922

Worked from 6³⁰ to 6³⁰ & some in evening. Regular work including 1 hour tutoring. (at 1⁰⁰ an hour).

Fired my first bucke today (to cone 05)

Thurs. May 11, '22.

Classes all day - Dr. Shaw gave his talk before the Conference - good. Home in evening - working on old Mineralogy notes. (9/1/22 d.E.C. OK by this time)

~~Wed. May 12, '22~~

~~Thurs. May 12, '22~~

Fri. May 12, '22

Cut class & walked in park with Hazel till 11³⁰. Tutored an hour and went on trip to Laclede Chasity in afternoon (see p.). Studied till 2⁰⁰ AM

Sat. May 13, '22

Cut English (overdue) - walk at noon - worked till 6³⁰ ^{tried to break brick against} - out with Harold & Jean - rotten time.

Sun. May 14, '22

Nothing in particular - Dr. Burkett offered me a place in his touring party (last) this summer - refused.

Mon. May 15, '22

Classes - tutored at 8⁰⁰ - called home in afternoon - Mother sick 44

With Tal to conquer little
Napoleon in evening. Bed
late.

Tues. May 16, '22

Eng. class - cut out down
town - dinner with Uncle Chasney.
Work in afternoon - With Hazel
in evening ! ! ! ! ! ! ! !

Wed. May 17, '22.

All day field trip to Eureka,
Mo. with Hist. Geol. class &
Petrology class - good time - wrote
report in evening. - see report
and also pp. 5-6 (V)

Thurs. May 18, '22

Classes & work all day - game
at Japs - Shipton, Mac, Kosch, &
Bonner. Way again.

Fri. May 19, '22

U. all day - H.S.-3 - felt badly
in evening. Hand down at
9° & woke up at 6° Sat. morn.

Sat. May 20, '22

Walk - saw it for hour (Saturday)
- Σ X meeting & poker - lost considerably.

Sun. May 21, '22

Studied all day - finished one
Petrology report!

Mon. May 22, '22.

Classes - nothing out of ordinary
- wrote I. C.

Tues. May 23, '22

Classes - H=3. - studied in
evening.

Wed. May 24, '22

Last class. - worked - report.
May go to Black Hills, S. D. on
field trip.

Thur. May 25, '22

Worked all day and evening - till
2:30 a.m. - finished report.

Fri. May 26, '22

Passed off Petrology exam. Decided

to go to Canada in June and Black Hills in July (if it can possibly be arranged that way.)

Sat. May 27th '22

Worked in morning - studied German with Hazel in afternoon - written evening - to bed at 10th

During last few days of school & afterwards until June 19 many things took place so that this entry is made at a later date. Graduated O.K. ^{47 1/2} with the help of Borrs whisky. Spent rest of time working at school finishing rock, title, department work, etc.

Cleaned up every thing.

22 (ind) Worked with Graw on rock classification & sent small copy to Hanly. Sent long report to McCourt. (from Canada - registered 6/22/22) Saw H.V.S. several times! Left for Aylmer June 18th. Application to take Prof. Grant (Northwestern U.) field course in the Lake Superior region accepted.

Stayed in Canada until about July 25. Spent first week with Irene. Mr. Ferguson came to Brainerd when folks decided to spend summer there) and she & I spent much putting place in shape for occupation. Summer delightful. Succeeded in getting lots out. Lots of swimming, some

fishing and shooting and
much horseback &
quail hunting but no
spoke or red dog. Did
our little drinking (only
drank one - at which time
Kevin and I killed a ^{" "}
quart of 1914 Seagram's 83)
(Kevin works in the
Round House in London
- had a nice quiet party
but we became very drunk
- Kevin got sick.)

Saw Ethel two or three
times but spent most of
my time with June.

Returned home to prepare
for Grants trip.

Spent about 10 days
in St. Louis (July 26-Aug)

getting ready for trip,
working in my room
seeing tall grass (and
the moon) with L.C.

Took two day trip with

Chas & May up river

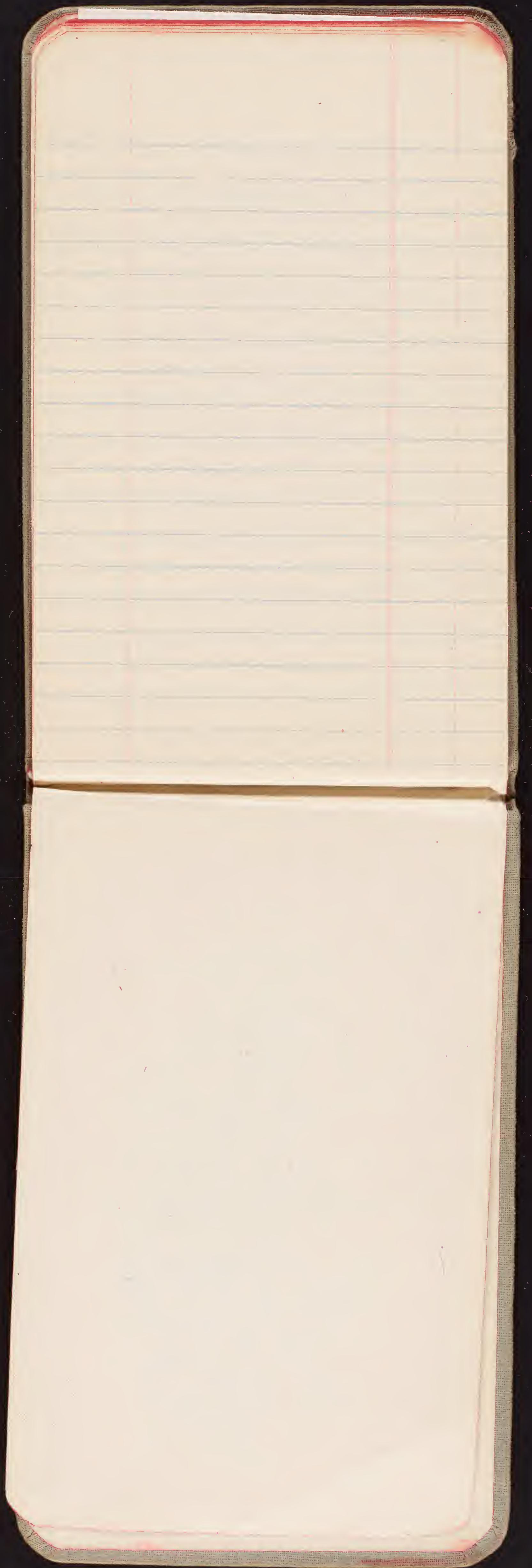
to Chataqua (geology -
see p.).

Had a nice south side
girl named Wegmann out
one night but as she
had a slight odor to her
breath I will not see her
again left angle for Chi.

28

Lists

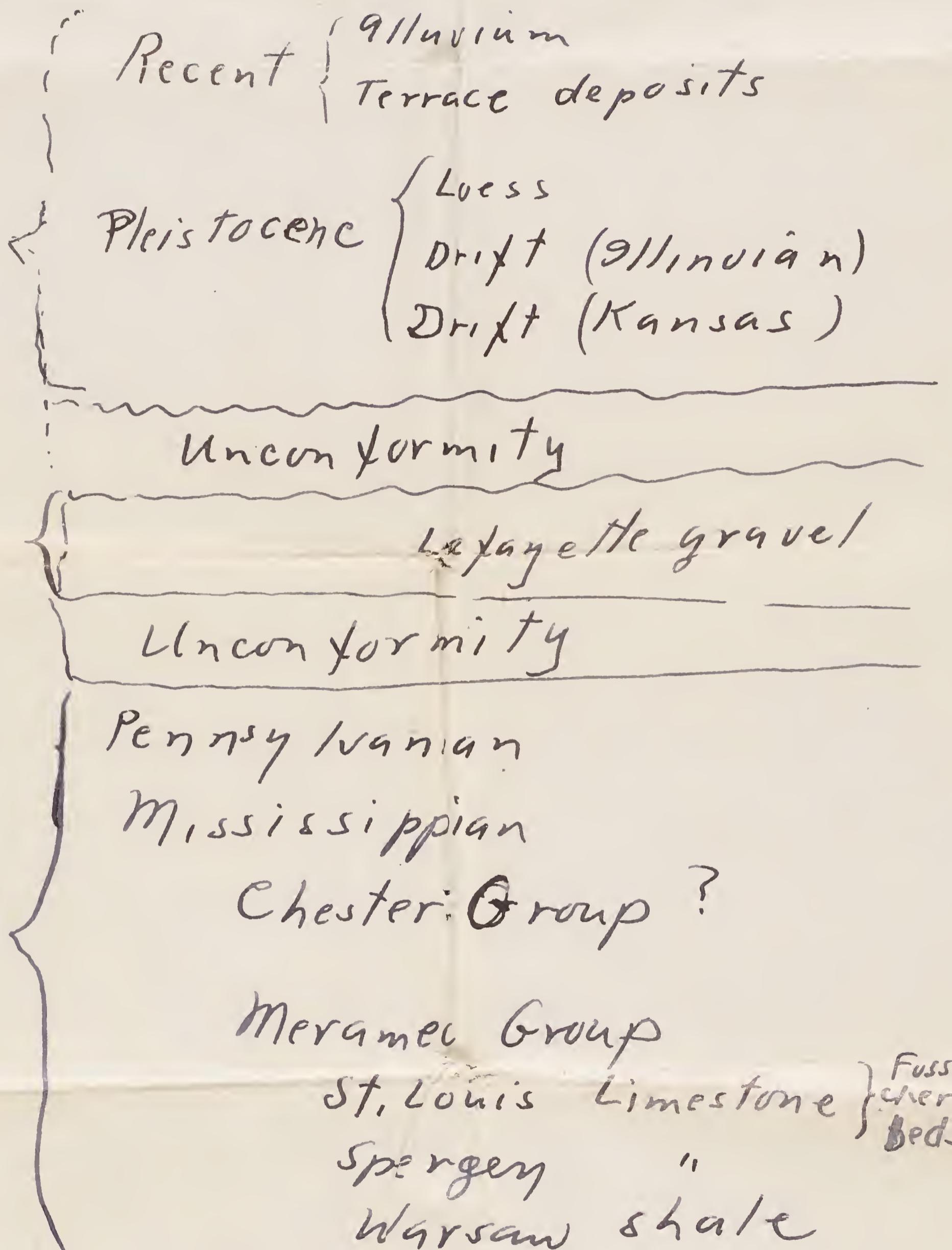
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1876



BUCKINGHAM ANNEX
T. J. DARCEY
GENERAL MANAGER
ST. LOUIS, MO.



Bibliography

Ill. state geol survey Monograph 1

Page 20 - 21 St. L formation } 250 ft
22 St. Genesee } at Alton
} 48 feet

Ill. State Bull 17 for section of
Bluffs north of Alton Page 70



Location: Bluffs N.W. of Alton Height
 125 to 175 feet above river. Approx
 75 to 125 feet of section is Mississippian.
 Overlying material consists of loess
 with thin deposit of glacial
 Till separation loess from limestone
 East of Alton the Miss. formation
 gives way to the Permian
 Karst topography to east
 Section at Plant No. 2 of Miss. Lime
 and Material Company. north
 west of round house

Material	Feet	
Soil, loessial, dark brown	1	
Loess	20	
Loess (reddish, fossil snails Pipestem concretions)	30	Fossils of mammals found in contact zone of loess and Till.
Glacial till, reddish, erratic pebbles of granite dolerite greenstone quartzite	2-3	
Limestone (Mississippian)	100	



BUCKINGHAM ANNEX
T. J. DARCEY
GENERAL MANAGER
ST. LOUIS, MO.

Section at Plant No. 3. At N.E.
end of quarry. Loess is 18 feet
thick and accessible for study
Material

Loess: 2 deposits

Upper - Buff color - fossiliferous

Lower reddish more " than upper

Till - pebbly clay (Kansan?)

Lower portion is calcareous

contains lime concretions abt

8" diameter. Weathered at top

showing it is much older than
loess

Fossils at contact of loess and till or
in concretions.

Solution channels well exhibited
and faces of rock along joints
are in some cases coated with
travertine.

1876

